

FORM C - ADD-ON CONTROL DEVICE

Facility Tracking Number: _____

Control Device ID: CD-_____ (should match facility diagram)

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Sheet ____ of ____

1. General Information

(a) Position in Series of Controls No. ____ of ____ Units

(b) Controls Emissions from Which Emission Source ID No(s).: _____

(c) Describe Control System: _____

(d) Pollutant(s) Collected: _____ _____ _____ _____

(e) Capture Method: _____ _____ _____ _____

(f) Capture Efficiency _____% _____% _____% _____%

(g) Control Device
Efficiency: _____% _____% _____% _____%

(h) Outlet HAP/VOC concentration: _____ HAP _____ VOC

(i) Inlet Flow Rate (acmm): _____ (j)Pressure Drop (kPa): Min. _____ Max. _____

(k) Inlet Temperature (°C): Min. _____ Max. _____

2. Basis of Capture and Control Device Efficiency

(a) Capture Efficiency: _____

(b) Control Device Efficiency: _____

3. Fabric Filter

(a) Filter Surface Area (m²): _____

4. Electrostatic Precipitator

(a) Ash Analysis: Mass Mean Diameter (µm): _____ Resistivity (ohm-cm): _____

(b) Type: ☐ Plate-Wire ☐ Flat Plate ☐ Tubular ☐ Other (specify on Comments Sheet)

5. Thermal or Catalytic Incinerator

(a) If Catalyst Used: Type _____ Catalyst Space Velocity (L/hr): _____

(b) Inlet Oxygen Content (%): _____ (c) Inlet Moisture Content (%): _____

(d) Fuel(s) Used: _____

(e) Actual Annual Fuel Use: _____ (f) Combustion Temperature (°C): _____

(g) Residence Time (sec): _____

(h) Total Maximum Firing Rate (million joules/hr): _____

6. Mechanical Collector

(a) Particle Density (kg/m³): _____

7. Carbon Adsorber

(a) Volatile Concentration Entering Unit (ppmv): _____

(b) HAP concentration entering unit (ppmv): _____

(c) Breakthrough Capacity (kg vapor/kg carbon): _____

(d) Number of Carbon Beds: _____

(e) Describe Carbon Regeneration Procedure and How Emissions are Controlled During Regeneration: _____

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8. Packed or Plate Column Absorber		
(a) Type of System: _____		
<i>Packed Column</i>	(b) Type of Packing: _____	(c) Column Length (m): _____
	(d) Column Diameter (m): _____	
<i>Plate Column</i>	(e) Type of Packing: _____	(f) Column Length (m): _____
	(g) Column Diameter (m): _____	
(h) Total Gas Pressure (kPa):_____	(i) Gas Dew Point (°C): _____	(j) Gas Velocity (m/sec): _____
(k) Additive Liquid Scrubbing Medium: _____	(l) Percent Recirculated:_____	
(m) Total Liquid Injection Rate (L/min): _____	(n) Make Up Rate (L/min): _____	(o) Additive (L/min): _____
9. Wet Scrubber		
(a) Additive Liquid Scrubbing Medium: _____		
(b) Total Liquid Injection Rate (L/min): _____ (c) Make Up Rate (L/min): _____		
(d) Additive (L/min):_____		
10. Condenser		
(a) Temperature of Inlet Coolant (°C): _____ (b) Temperature of Condensation (°C): _____		
(c) Refrigeration Capacity (joules/hr):_____		
11. Other Control Device		
(a) Filter Media: _____ (b) Collection Surface Area (m²): _____		
(c) Fuel Used: _____ (d) Fuel Usage Rate: _____		
(e) Describe any auxiliary materials introduced into the control system: _____		

12. Monitoring		
Describe and monitoring performed on this control device (parametric or outlet). Specify whether monitoring is the result of a permit condition, as well as the averaging time:		

